REMARKS/ARGUMENTS

Claims 1 - 10 were in the application when examined. Claims 1 and 6 are independent. None of the claims are amended or canceled and no new claims are added.

The Examiner objected to the drawings as being hand written and suggested that formal drawings be submitted. Formal drawings are enclosed with this Amendment. Additionally, Figures 1a - 1d are amended to state "Prior Art."

The specification is amended to include relevant U.S. patent application numbers or patent numbers of the applications and patents referred to on page 1 of the Application. A paragraph describing Fig. 12 of the Application is also amended for minor typographical errors.

The Examiner rejected Claims 1 - 10 under 35 U.S.C. §102(e) as being anticipated by Conroy (U.S. Patent 6,459,684).

The Examiner rejected Claim 1 citing to figures 6A and 6B, column 8, lines 27 - 28 and 33 - 37, and column 9, lines 52 - 53 of Conroy. Conroy explains the conventional method of echo cancellation (column 8, lines 19 - 25) and concludes that it would be desirable if the analog echo cancellation signal could be generated by the same digital to analog converter that is used to generate the transmitted signal. Then in figure 6A, Conroy discloses two switches, one 602 for the transmit path and another 604 for the receive path. When transmit path switch 602 is closed, transmit path is closed and DAC signal, shown as signal line 652 in figure 6B of Conroy, is sent to the ADSL line via a hybrid 620. When the receive path switch 604 is closed, the signal from DAC goes to an echo canceller and is added, as

Amendments to the Drawings:

The attached sheets of drawings include changes to Figs. 1a, 1b, 1c, and 1d. These sheets, which include Figs. 1a, 1b, 1c, and 1d, replace the original sheets including Figs. 1a, 1b, 1c, and 1d. Further, formal drawings corresponding to Figs. 2, 3a, 3b, 4a, 4b, 5a, 5b, and 6 - 12 are enclosed that replace the original hand drawn sheets corresponding to the same figures.

Attachment: Replacement Sheets
Annotated Sheets Showing Changes

negative feedback, to a signal from the receive line and the result is eventually input to an ADC. See Conroy, column 8, lines 27 - 54. The signal from the receive line is coming from the central office transmission through the hybrid. See Conroy, column 8, line 51. The negative feedback comes from the transmit line through the second switch. See Conroy, figure 6A.

The Applicants' Claim 1 calls for (underlining added for emphasis) "locating a blocking switch in the transceiver transmit path, the blocking switch allowing transmit signal propagation when enabled, while preventing both transmit signal propagation and circuit device noise coupling from the transceiver transmit path to the transceiver receive path when the blocking switch is disabled ...." The switch 602 of Conroy does allow transmit signal propagation when enabled but when disabled has no impact on the transmit path of Conroy which is controlled by a second switch 604. The cited limitation of Claim 1 is, therefore, not disclosed by Conroy either identically or by a substantial equivalent.

Claim 2 depends from Claim 1 and distinguished at least for the same reasons. Further, the Examiner states that Claim 2 is anticipated by the "Hybrid Block" disclosed in figure 6A of Conroy. Conroy mentions a "transformer" once in its written description, stating (underlining added for emphasis): "The output from the line driver is input to a hybrid 206. Hybrid 206 is connected to the ADSL line usually through a transformer." Conroy, column 2, lines 33 - 35. It is clear from this statement that the hybrid and the transformer are not the same element in Conroy. Claim 2 calls for (underlining for

emphasis) "the circuit device noise coupling from the tranceiver transmit path to the tranceiver receive path is through a transformer providing conversion from four wire transmit receive lines to a two wire line." In Conroy, on the other hand, the transmit path to the receive path is through the hybrid 620 which, according to the specification of Conroy, is distinct from a transformer. Therefore, those limitations of Claim 2 above and beyond Claim 1 are not disclosed by Conroy either.

Accordingly, the Applicants submit that neither Claim 1 nor Claim 2 are anticipated by Conroy under 35 U.S.C. §102(e).

Claims 3 - 5 are dependent on Claim 1. As such, these claims are believed allowable based upon Claim 1.

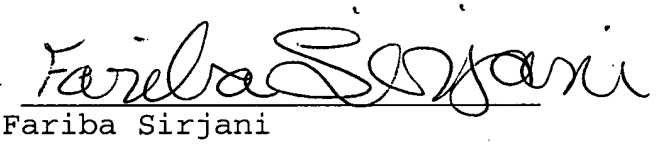
Claims 6 - 10 are rejected under 35 U.S.C. §102(e) for reasons similar to those cited in rejection of Claims 1 - 5.

Claims 6 and 7 are distinguished from Conroy for reasons similar to those cited for Claims 1 and 2. Claims 8 - 10 are dependent on Claim 6. As such, these claims are believed allowable based upon Claim 6.

Accordingly, in view of the above amendment and remarks it is submitted that the claims are patentably distinct over the cited reference and that all the rejections to the claims have been overcome. Reconsideration of the above Application and allowance of pending claims 1 - 10 is respectfully requested.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 

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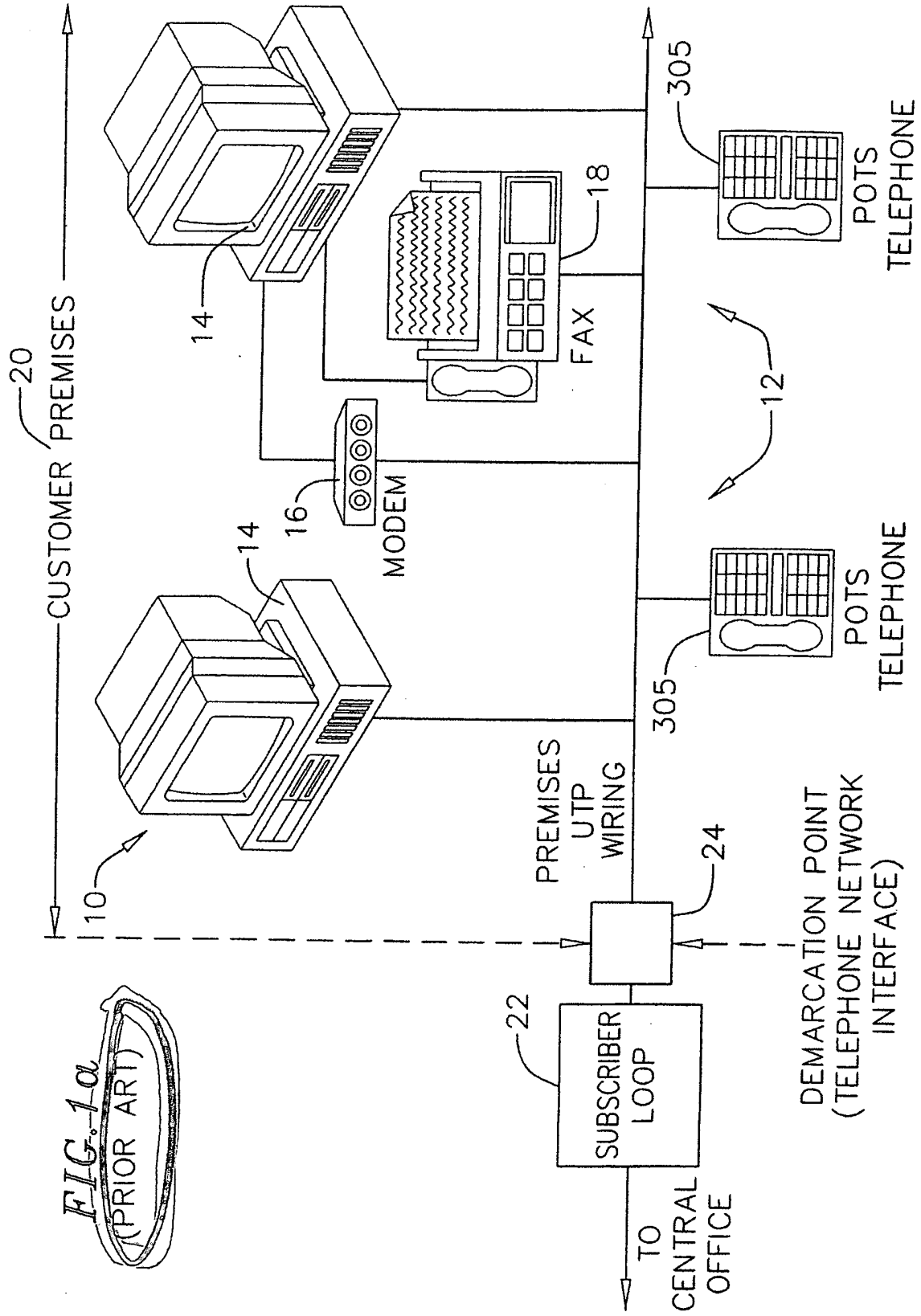

FIG. 1a
(PRIOR ART)

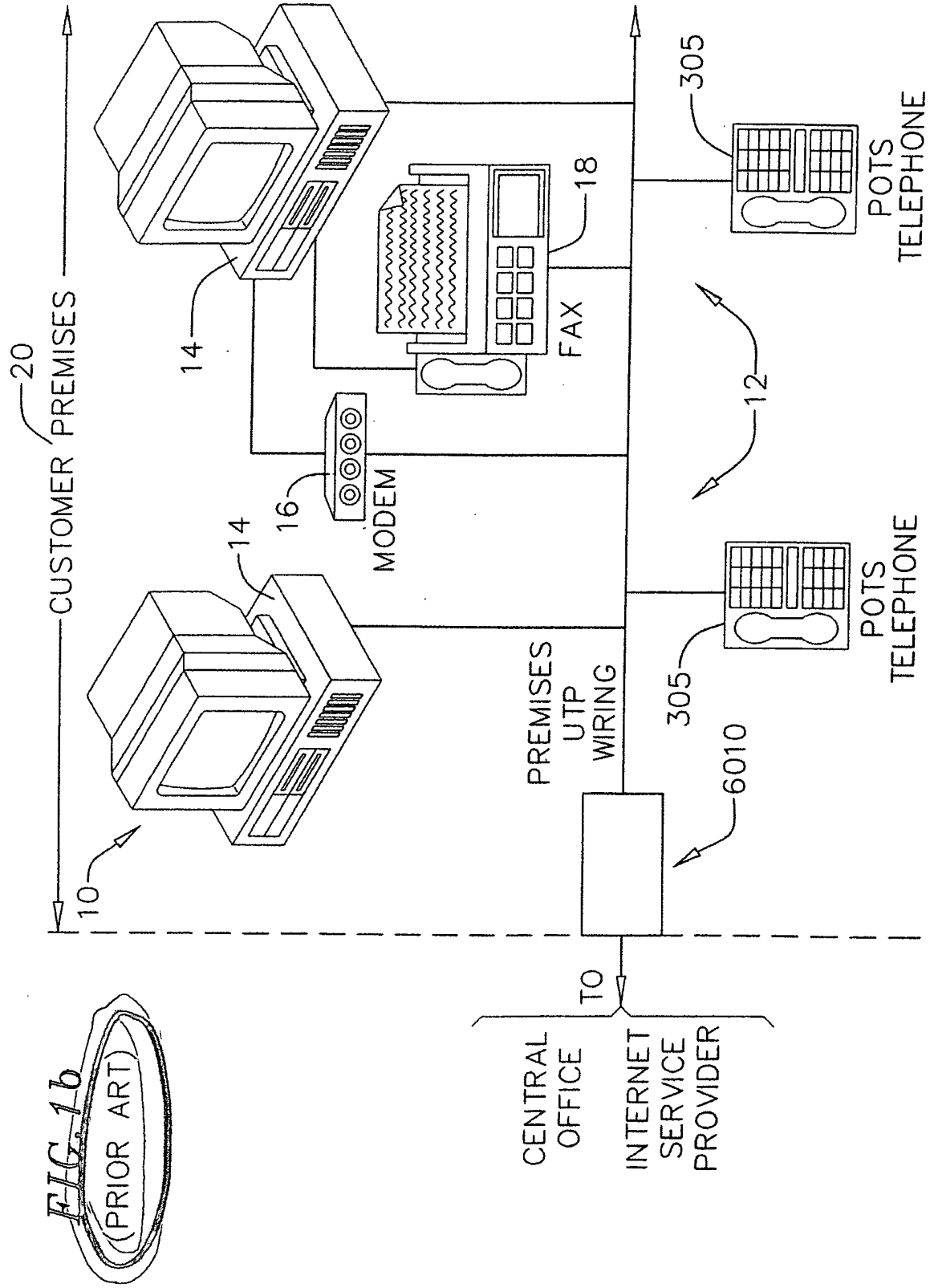

FIG. 1b
(PRIOR ART)

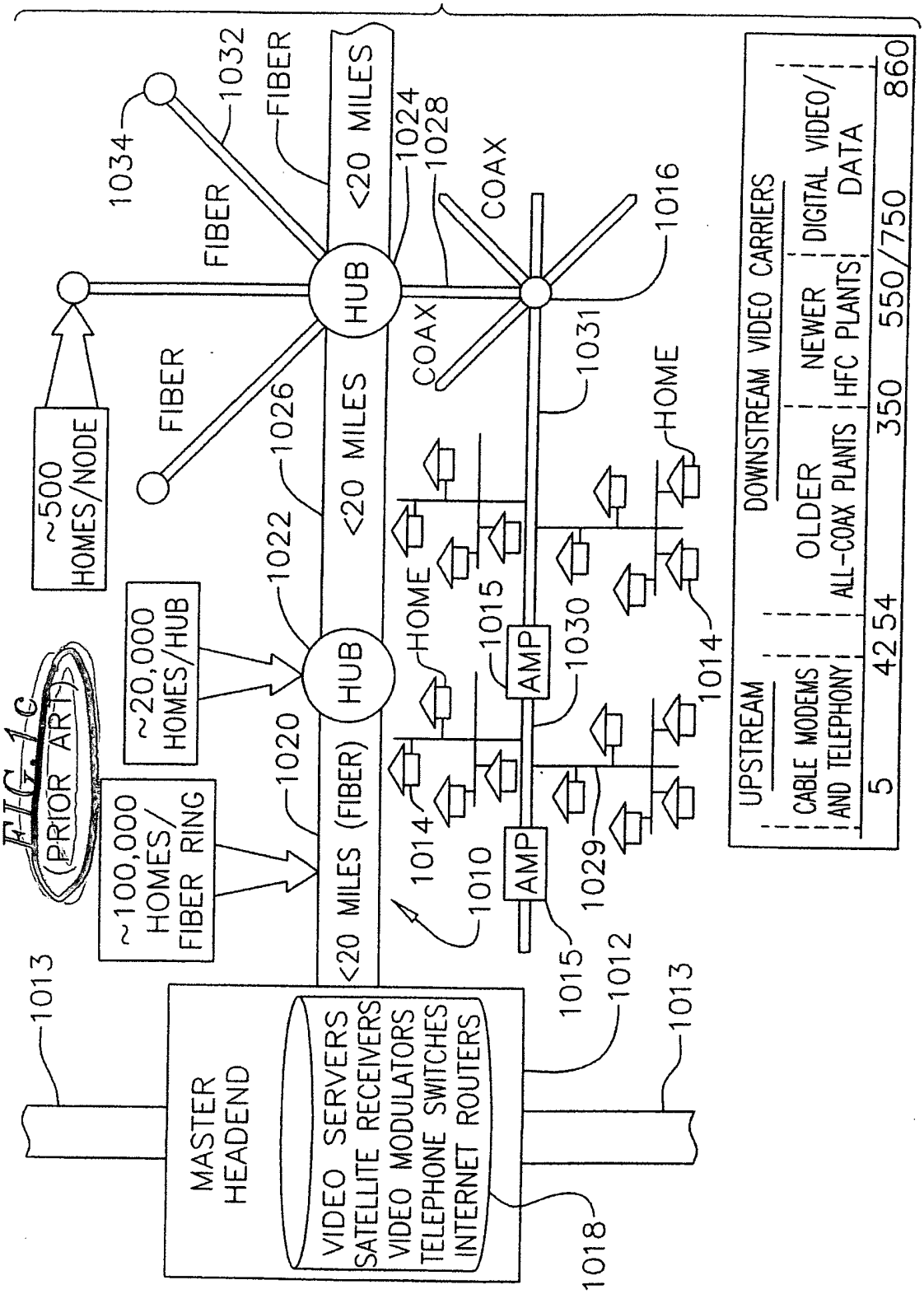

FIG. 1C
(PRIOR ART)

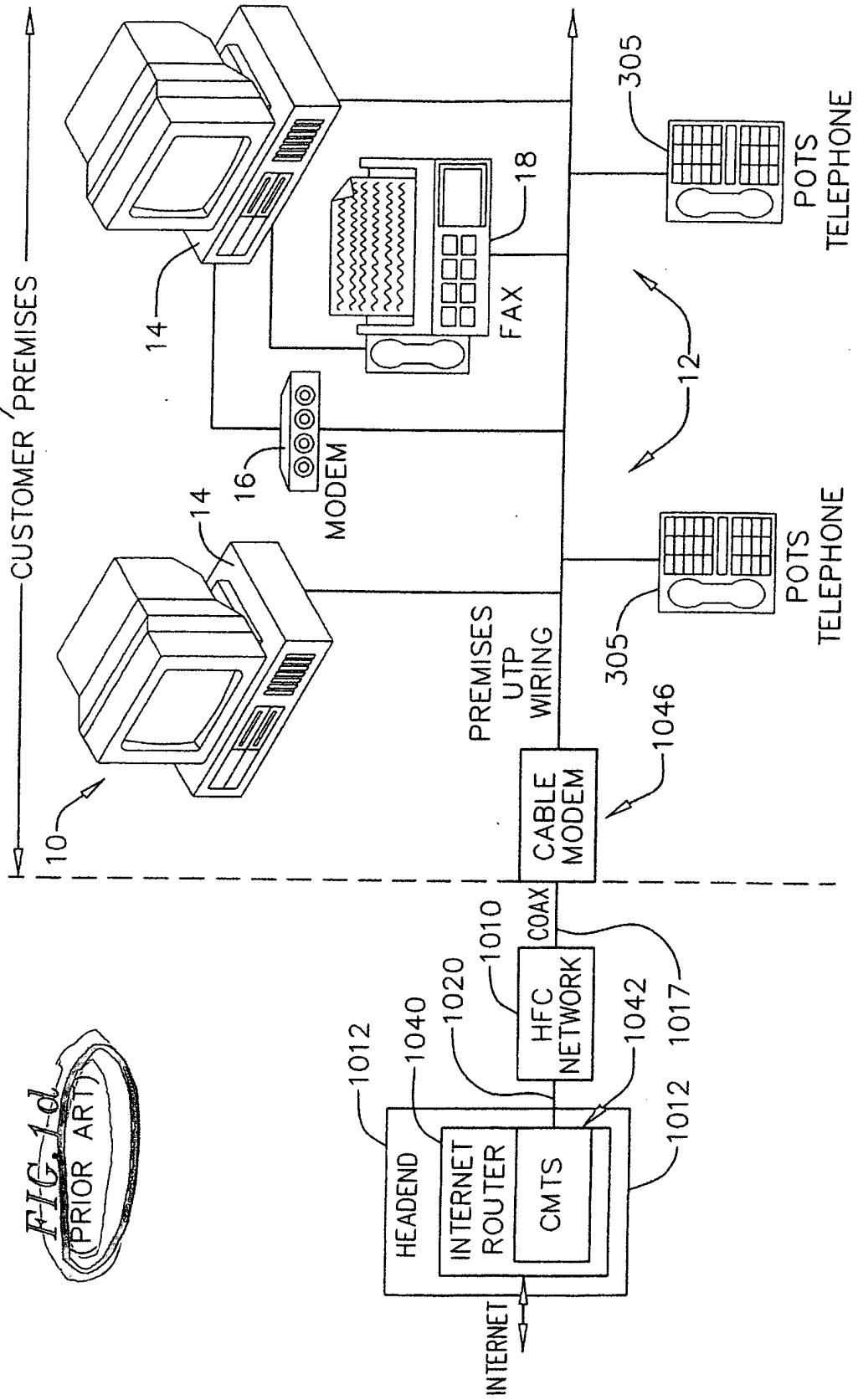

FIG. 1d
(PRIOR ART)